

Amendments to the Abstract:

Please replace the Abstract with the following new Abstract:

The present invention provides compounds, compositions and methods for dedifferentiating lineage committed mammalian cells into stem cells. The present invention also provides methods of inducing dedifferentiation of lineage committed mammalian cells into stem cells, which can be further differentiated into various lineage committed cells. Methods of identifying additional compounds useful for inducing dedifferentiation of lineage committed cells into stem cells are also provided.